

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/50746

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G02B6/44 G01M3/04 G01K1/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B G01M G01K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/038839 A (BAKER HUGHES INC) 8 May 2003 (2003-05-08) page 3, line 5 - line 22; figure 1	1
Y		2,3,11, 15,21,22
X	----- PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05, 31 May 1999 (1999-05-31) -& JP 11 038283 A (YAZAKI CORP), 12 February 1999 (1999-02-12) abstract; figure 1 -----	1-3
Y	WO 01/84206 A (CORNING CABLE SYS LLC ; GIMBLET MICHAEL J (US); QUINN CHRIS M (US); MI) 8 November 2001 (2001-11-08) page 5, line 11 - page 7, line 14; figures 1,2 -----	1-3,11, 15,21,22
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

22 June 2004

Date of mailing of the international search report

04. 11. 2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	DAVID BENTLEY: "A Primer on How to Put Substrates Together" PAPER, FILM AND FOIL CONVERTES MAGAZINE, vol. 1, March 2001 (2001-03), XP002285423 the whole document	11,15
Y	----- PATENT ABSTRACTS OF JAPAN vol. 1998, no. 03, 27 February 1998 (1998-02-27) & JP 9 306254 A (TOSHIBA CORP), 28 November 1997 (1997-11-28) abstract	1-3,11, 15,21,22
Y	----- VOGEL B ET AL: "LEAKAGE DETECTION SYSTEMS BY USING DISTRIBUTED FIBER OPTICAL TEMPERATURE MEASUREMENT" PROCEEDINGS OF THE SPIE, SPIE, BELLINGHAM, VA, US, vol. 4328, 5 March 2001 (2001-03-05), pages 23-34, XP008004114 ISSN: 0277-786X page 29, paragraph 1 - page 31, paragraph 1; figures 6,7	1-3,11, 15,21,22
X	----- EP 0 978 715 A (GESO GES FUER SENSORIK GEOTECH) 9 February 2000 (2000-02-09) cited in the application column 9, line 58 - column 10, line 47; figure 1 -----	1

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Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03038839	A	08-05-2003	WO 03038839 A1	08-05-2003
			US 2003081917 A1	01-05-2003
JP 11038283	A	12-02-1999	JP 3224762 B2	05-11-2001
WO 0184206	A	08-11-2001	AU 5586301 A	12-11-2001
			WO 0184206 A2	08-11-2001
JP 9306254	A	28-11-1997	NONE	
EP 0978715	A	09-02-2000	DE 19844753 A1	10-02-2000
			AT 235679 T	15-04-2003
			DE 59904696 D1	30-04-2003
			EP 0978715 A1	09-02-2000